## **CLAIMS**

- 1. A porous fire resistant sheet characterized by a synthetic resin film covering fire retardant capsules, causing said fire retardant capsules to adhere to porous material.
- 2. A porous fire resistant sheet in accordance with Claim 1, wherein said fire retardant capsules are added to said porous material in an amount of between 5% and 80% by mass.
- 3. A porous fire resistant sheet in accordance with Claim 1, wherein said fire retardant is water soluble and said synthetic resin film is water insoluble.
- 4. A porous fire resistant sheet in accordance with Claim 1, wherein said porous material is fiber.
- 5. A porous fire resistant sheet in accordance with any of Claims 1 to 4, wherein said fibers are all hollowed, or a mixture of solid and hollowed fibers.
- 6. A porous fire resistant sheet in accordance with any of Claims 1 to 5, wherein an additional fiber having a low melting point of below 180°C are mixed in with said fiber.
- 7. A porous fire resistant sheet in accordance with any of Claims 1 to 6, wherein synthetic resin binder is contained in said fiber in an amount of between 5 and 200 % by mass for fibers.
- 8. A porous fire resistant sheet in accordance with Claim 7, wherein said synthetic resin binder is water solution.
- 9. A porous fire resistant sheet in accordance with Claim 8, wherein water soluble resin is dissolved in said water solution.
- 10. A porous fire resistant sheet in accordance with Claims 9 or 10, wherein said synthetic resin binder is a phenolic resin, and said phenolic resin is sulfomethylated and/or sulfimethylated.
- 11. A porous fire resistant sheet in accordance with Claim 1, wherein said porous material is an expanded synthetic resin
- 12. A porous fire resistant sheet in accordance with Claim 11, wherein synthetic resin binder is contained in said expanded synthetic resin in an amount of between 5 and 200% by mass for said expanded synthetic resin.

- 13. A porous fire resistant sheet in accordance with Claim 12, wherein said synthetic resin binder is a water solution.
- 14. A porous fire resistant sheet in accordance with Claim 13, wherein water soluble synthetic resin is dissolved in said water solution.
- 15. A porous fire resistant sheet in accordance with Claim 12 or 13, wherein said synthetic binder is a phonolic resin and said phenolic resin is sulfomethylated and /or sulfimethylated.
- 16. A molded article wherein said porous fire resistant sheet, in accordance with any of Claims 1 to 15, is molded into a prescribed shape.
- 17.A molded article in accordance with Claim 16, wherein a ventilation resistance of said molded article is in the range of between 0.1 and 100kPa s/m.
- 18. A laminated material wherein other porous sheet(s) is (are) laminated onto one or both sides of said porous fire resistant sheet in accordance with any of Claims 1 to 15.
- 19. A laminated material in accordance with Claim 18, wherein other porous sheet(s) is (are) laminated onto one or both sides of said porous fire resistant sheet(s) through thermoplastic resin film(s) having a thickness of between 10 and 200µm.
- 20. A laminated material in accordance with Claim 19, wherein a hot melt adhesive powder is scattered onto one or both sides of said porous fire resistant sheet in an amount of between 1 and 100g/m², and said other porous material sheet(s) is (are) laminated onto said porous sheet through said scattered layer of hot melt adhesive powder.
- 21. A molded article wherein a laminated material in accordance with Claim 18 or 19 is molded into a prescribed shape.
- 22.A molded article in accordance with Claim 21, wherein a ventilation resistance of said molded article is in the range of between 0.1 and 100 kPa·s/m.
- 23. A fire resistant acoustic material for cars made of a molded article in accordance with any of Claims 16, 17, 21 and 22.